

CHAPTER 4

POINT AND NONPOINT SOURCE CHARACTERIZATION OF THE SOUTH FORK HOLSTON RIVER WATERSHED

4.1 Background.

4.2. Characterization of HUC-10 Subwatersheds 4.2.A. 0601010206 (South Fork Holston River)

4.1. BACKGROUND. This chapter is organized by HUC-10 subwatershed, and the description of each subwatershed is divided into four parts:

- i. General description of the subwatershed
- ii. Description of point source contributions
- ii.a. Description of facilities discharging to water bodies listed on the 2002 303(d) list
- iii. Description of nonpoint source contributions

There is one HUC 10-digit subwatershed in the Tennessee portion of the Group 3 portion of the Tennessee portion of the Holston River Watershed (HUC 06010102).

Information for this chapter was obtained from databases maintained by the Division of Water Pollution Control or provided in the WCS (Watershed Characterization System) data set. The WCS used was version 2.0 (developed by Tetra Tech, Inc for EPA Region 4) released in 2003.

WCS integrates with ArcView® v3.x and Spatial Analyst® v1.1 to analyze user-delineated (sub)watersheds based on hydrologically connected water bodies. Reports are generated by integrating WCS with Microsoft® Word. Land Use/Land Cover information from 1992 MRLC (Multi-Resolution Land Cover) data are calculated based on the proportion of county-based land use/land cover in user-delineated (sub)watersheds. Nonpoint source data in WCS are based on agricultural census data collected 1992–1998; nonpoint source data were reviewed by Tennessee NRCS staff.

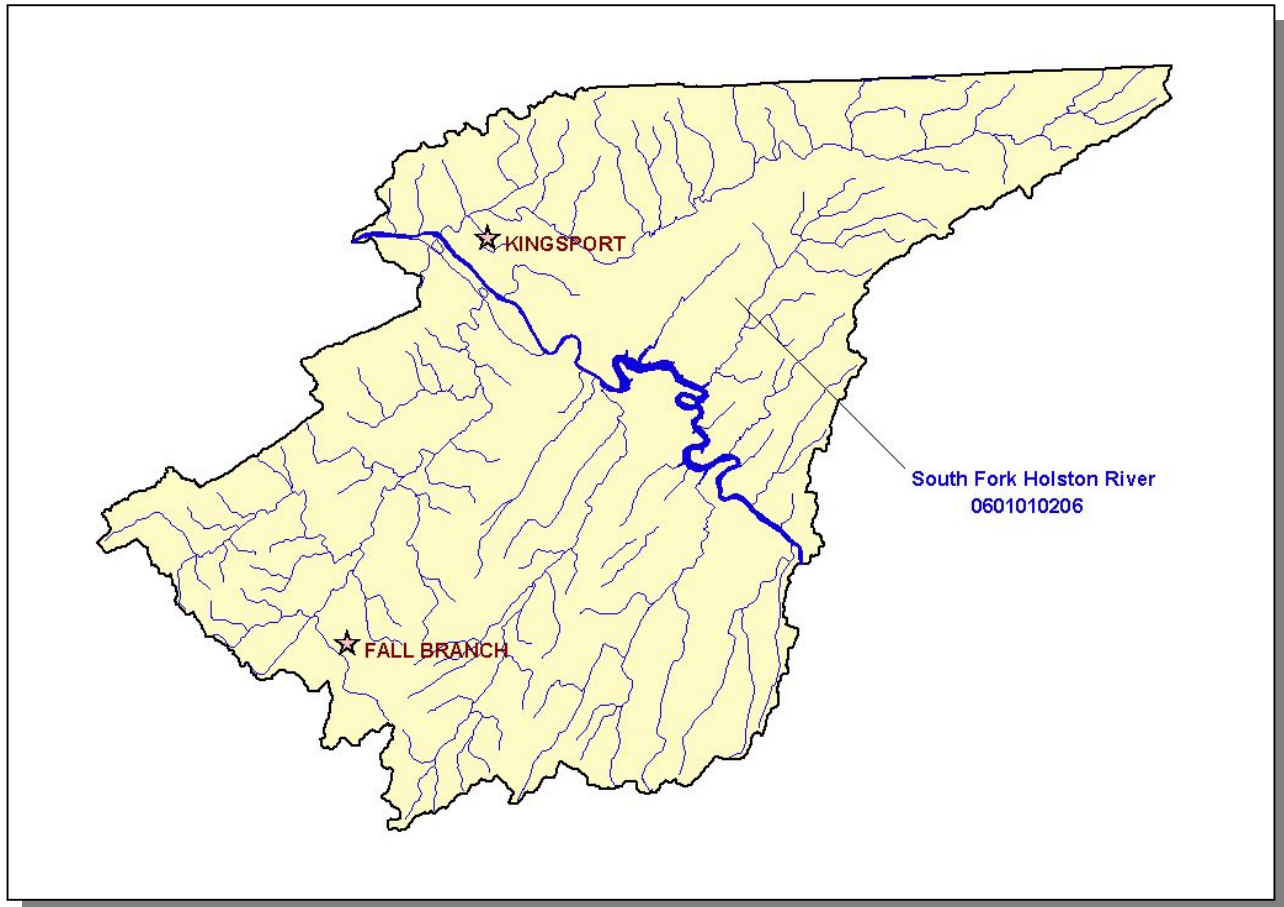


Figure 4-1. The Group 3 Portion of the Tennessee Portion of the South Fork Holston River Watershed is Composed of one USGS-Delineated Subwatershed (10-Digit Subwatersheds). Locations of Fall Branch and Kingsport are shown for reference.

4.2. CHARACTERIZATION OF HUC-10 SUBWATERSHEDS. The Watershed Characterization System (WCS) software and data sets provided by EPA Region IV were used to characterize each subwatershed in the Group 3 portion of the Tennessee portion of the South Fork Holston River Watershed.

HUC-10	HUC-12
0601010206	060101020601 (Fort Patrick Henry Lake)
	060101020602 (South Fork Holston River)
	060101020603 (Horse Creek)
	060101020604 (Reedy Creek)

Table 4-1. HUC-12 Drainage Areas are Nested Within HUC-10 Drainages. NRCS worked with USGS to delineate the HUC-10 and HUC-12 drainage boundaries.